

Spring Plungers

Steel / Stainless Steel, with Ball, with Internal Hex

SPECIFICATION

Types

- Type **K**: Steel, standard spring load
- Type **KS**: Steel, high spring load
- Type **KN**: Stainless Steel, standard spring load
- Type **KSN**: Stainless Steel, high spring load

Type K / KS

- Housing
Steel, blackened
- Ball
Steel, hardened

Type KN / KSN

- Housing
Stainless steel AISI 303
- Ball
Stainless steel AISI 420C, hardened

Pressure spring

Stainless steel AISI 631

Marking of Type KS / KSN:

Housing with 2 longitudinal markings

- Thread lockings
- Polyamide patch **PFB**
Type K/KS M3 ... M16
Type K/KS M20, M24 *
- Type KN/KSN M3 ... M16
Type KN/KSN M20, M24 *
- Micro encapsulation* **MVK**

* not available from stock, requires a minimum order quantity



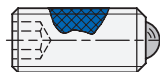
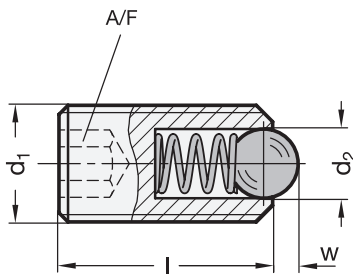
INFORMATION

The **PFB** patch is a **jamming** thread locking (Polyamide patch). The coating for Type K or KN (standard spring load) is indicated blue, for Type KS or KSN (high spring load) green. For this Type of thread locking a relatively high torque is required. Therefore this version with internal hexagon is more preferable than the version with slot GN 615 (see page 839).

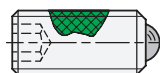
MVK (Micro encapsulation) is a **gluing** thread locking (indicated red).

TECHNICAL INFORMATION

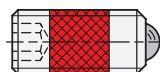
- More information to thread locking MVK (see page A24)
- More information to thread locking PFB (see page A24)



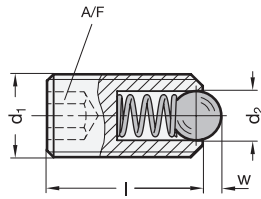
Thread locking **PFB**
Polyamide patch
for type **K** and **KN**



Thread locking **PFB**
Polyamide patch
for type **KS** and **KSN**




Thread locking **MVK**
Micro encapsulation precote
(for all types)



 Thread locking **PFB**
Polyamide patch
for type **K** and **KN**

 Thread locking **PFB**
Polyamide patch
for type **KS** and **KSN**

 Thread locking **MVK**
Micro encapsulation precote
(for all types)

* Complete with color index (PFB or MVK)

PFB **MVK**
Polyamide patch Micro encapsulation

GN 615.3-K

Description	d1	d2	l ±0.1	w	A/F	Spring load in N ≈ Initial	Spring load in N ≈ End	⚖
GN 615.3-M3-K	M 3	1.5	8	0.4	1.5	3	4.5	1
GN 615.3-M4-K	M 4	2.5	12	0.8	2	8.5	14	2
GN 615.3-M5-K	M 5	3	14	0.9	2.5	8	14	3
GN 615.3-M6-K	M 6	3.5	15	1	3	11	18	4
GN 615.3-M8-K	M 8	4.5	18	1.5	4	18	31	8
GN 615.3-M10-K	M 10	6	23	2	5	24	45	13
GN 615.3-M12-K	M 12	8	26	2.5	6	26	49	14
GN 615.3-M16-K	M 16	10	33	3.5	8	41	86	32
GN 615.3-M20-K	M 20	12	43	4.5	10	56	111	65
GN 615.3-M24-K	M 24	15	48	5.5	12	81	151	103
GN 615.3-M3-K-*	M 3	1.5	8	0.4	1.5	3	4.5	1
GN 615.3-M4-K-*	M 4	2.5	12	0.8	2	8.5	14	2
GN 615.3-M5-K-*	M 5	3	14	0.9	2.5	8	14	3
GN 615.3-M6-K-*	M 6	3.5	15	1	3	11	18	4
GN 615.3-M10-K-*	M 10	6	23	2	5	24	45	8
GN 615.3-M12-K-*	M 12	8	26	2.5	6	26	49	13
GN 615.3-M16-K-*	M 16	10	33	3.5	8	41	86	14
GN 615.3-M20-K-*	M 20*	12	43	4.5	10	56	111	65
GN 615.3-M24-K-*	M 24*	15	48	5.5	12	81	151	103

GN 615.3-KN

STAINLESS STEEL

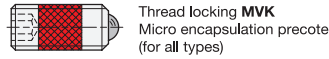
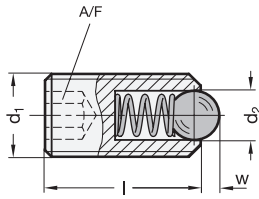
Description	d1	d2	l ±0.1	w	A/F	Spring load in N ≈ Initial	Spring load in N ≈ End	⚖
GN 615.3-M3-KN	M 3	1.5	8	0.4	1.5	3	4.5	1
GN 615.3-M4-KN	M 4	2.5	12	0.8	2	8.5	14	2
GN 615.3-M5-KN	M 5	3	14	0.9	2.5	8	14	3
GN 615.3-M6-KN	M 6	3.5	15	1	3	11	18	4
GN 615.3-M8-KN	M 8	4.5	18	1.5	4	18	31	8
GN 615.3-M10-KN	M 10	6	23	2	5	24	45	13
GN 615.3-M12-KN	M 12	8	26	2.5	6	26	49	14
GN 615.3-M16-KN	M 16	10	33	3.5	8	41	86	32
GN 615.3-M20-KN	M 20	12	43	4.5	10	56	111	65
GN 615.3-M24-KN	M 24	15	48	5.5	12	81	151	103
GN 615.3-M3-KN-*	M 3	1.5	8	0.4	1.5	3	4.5	1
GN 615.3-M4-KN-*	M 4	2.5	12	0.8	2	8.5	14	2
GN 615.3-M5-KN-*	M 5	3	14	0.9	2.5	8	14	3
GN 615.3-M6-KN-*	M 6	3.5	15	1	3	11	18	4
GN 615.3-M8-KN-*	M 8	4.5	18	1.5	4	18	31	8
GN 615.3-M10-KN-*	M 10	6	23	2	5	24	45	13
GN 615.3-M12-KN-*	M 12	8	26	2.5	6	26	49	14
GN 615.3-M16-KN-*	M 16	10	33	3.5	8	41	86	32
GN 615.3-M20-KN-*	M 20*	12	43	4.5	10	56	111	65
GN 615.3-M24-KN-*	M 24*	15	48	5.5	12	81	151	103

Weight Version PFB

* not available from stock, requires a minimum order quantity



Indexing elements



* Complete with color index (PFB or MVK)

PFB Polyamide patch **MVK** Micro encapsulation

GN 615.3-KS

Description	d1	d2	l ±0.1	w	A/F	Spring load in N ≈ Initial	Spring load in N ≈ End	⚖
GN 615.3-M4-KS	M 4	2.5	12	0.8	2	12	18	1
GN 615.3-M5-KS	M 5	3	14	0.9	2.5	15	22	2
GN 615.3-M6-KS	M 6	3.5	15	1	3	19	28	3
GN 615.3-M8-KS	M 8	4.5	18	1.5	4	36	62	4
GN 615.3-M10-KS	M 10	6	23	2	5	57	104	8
GN 615.3-M12-KS	M 12	8	26	2.5	6	61	110	13
GN 615.3-M16-KS	M 16	10	33	3.5	8	68	142	32
GN 615.3-M20-KS	M 20	12	43	4.5	10	84	166	65
GN 615.3-M24-KS	M 24	15	48	5.5	12	127	237	103
GN 615.3-M4-KS-*	M 4	2.5	12	0.8	2	12	18	1
GN 615.3-M5-KS-*	M 5	3	14	0.9	2.5	15	22	2
GN 615.3-M6-KS-*	M 6	3.5	15	1	3	19	28	3
GN 615.3-M8-KS-*	M 8	4.5	18	1.5	4	36	62	4
GN 615.3-M10-KS-*	M 10	6	23	2	5	57	104	8
GN 615.3-M12-KS-*	M 12	8	26	2.5	6	61	110	13
GN 615.3-M16-KS-*	M 16	10	33	3.5	8	68	142	32
GN 615.3-M20-KS-*	M 20*	12	43	4.5	10	84	166	65
GN 615.3-M24-KS-*	M 24*	15	48	5.5	12	127	237	103

GN 615.3-KSN

STAINLESS STEEL

Description	d1	d2	l ±0.1	w	A/F	Spring load in N ≈ Initial	Spring load in N ≈ End	⚖
GN 615.3-M4-KSN	M 4	2.5	12	0.8	2	12	18	1
GN 615.3-M5-KSN	M 5	3	14	0.9	2.5	15	22	2
GN 615.3-M6-KSN	M 6	3.5	15	1	3	19	28	3
GN 615.3-M8-KSN	M 8	4.5	18	1.5	4	36	62	4
GN 615.3-M10-KSN	M 10	6	23	2	5	57	104	8
GN 615.3-M12-KSN	M 12	8	26	2.5	6	61	110	13
GN 615.3-M16-KSN	M 16	10	33	3.5	8	68	142	32
GN 615.3-M20-KSN	M 20	12	43	4.5	10	84	166	65
GN 615.3-M24-KSN	M 24	15	48	5.5	12	127	237	103
GN 615.3-M4-KSN-*	M 4	2.5	12	0.8	2	12	18	1
GN 615.3-M5-KSN-*	M 5	3	14	0.9	2.5	15	22	2
GN 615.3-M6-KSN-*	M 6	3.5	15	1	3	19	28	3
GN 615.3-M8-KSN-*	M 8	4.5	18	1.5	4	36	62	4
GN 615.3-M10-KSN-*	M 10	6	23	2	5	57	104	8
GN 615.3-M12-KSN-*	M 12	8	26	2.5	6	61	110	13
GN 615.3-M16-KSN-*	M 16	10	33	3.5	8	68	142	32
GN 615.3-M20-KSN-*	M 20*	12	43	4.5	10	84	166	65
GN 615.3-M24-KSN-*	M 24*	15	48	5.5	12	127	237	103

Weight Version PFB

* not available from stock, requires a minimum order quantity

Indexing elements